

PATENT CLAIMS

1. A connector for use in a system for flowing fluid, having at least one cup-shaped female part (1) in which an adapted male part (8) on another connector is intended to be sealingly and securely mounted,
5 characterised in that the female part (1) has integral, longitudinal locking tangs (2) which have their free ends pointing the direction of insertion of a male part (8) into the female part, the free ends of the locking tangs projecting into the space in the female part for engagement with a male part, and wherein the locking tangs (2) having engaging means (4, 15) which can be used by a tool to
10 urge the locking tangs (2) apart so that the male part (8) and the female part (1) can be disengaged from one another.
2. A connector as disclosed in claim 1, wherein the engaging means (4, 15) are holes or recesses.
3. A connector as disclosed in claim 2, wherein each locking tang (2) has at
15 least one hole or recess (4) in the transverse direction of the connector, whereby two locking tangs (2) with mutually parallel holes on the same side of the connector can be urged apart using a tool, e.g., pliers of the type for use on a Seeger ring.
4. A connector as disclosed in claim 1, wherein the engaging means (4, 15) are
20 projections or lugs.
5. A connector as disclosed in claim 4, wherein the projections or lugs (4, 15) are located essentially in the longitudinally direction of the connector.
6. A connector as disclosed in any one of claims 1 - 5, wherein a smooth portion (13) on the locking tangs (2) and a corresponding smooth portion (14) on
25 the connector together form a position indicator in that, when a male part (8) is correctly inserted they are in the same radial position, whilst on incorrect insertion of the male part (8), the flat portion (13) of the locking tangs (2) will be displaced radially outwards by a shoulder on the male part (8), the displacement making it possible to feel a difference in height between the smooth portions (13, 14), which
30 thus indicates an incorrect mounting.
7. A connector as disclosed in any one of claims 1 - 6, wherein the female part (1) is designed and dimensioned to act as an impact protector for a connector on which the male part is located.

8. A connector as disclosed in any one of claims 1 - 7, wherein the female part (1) is in one piece with at least one corresponding female part (1), forming an in-line connector, an elbow, a tee or a cross.

9. A connector as disclosed in any one of claims 1 - 8, wherein the female part (1) is in one piece with a nipple or several nipples for mounting one or more pipes or hoses.